

de2935712/pn

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ACCESSION NUMBER: 1980-22325C [13] WPINDEX  
TITLE: Hydrophilic gel prepn. - by polymerising neutralised  
(meth)acrylic acid in the presence of PVA and heat  
treating.  
DERWENT CLASS: A14 A96 A97 D22 J01 P32 P34  
INVENTOR(S): FUJITA, F; KITAMURA, S; TAMURA, T  
PATENT ASSIGNEE(S): (SUMO) SUMITOMO CHEM CO LTD  
COUNTRY COUNT: 6  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
→DE 2935712	A	19800320	(198013)*				<--
GB 2030990	A	19800416	(198016)				
JP 55036273	A	19800313	(198017)				
JP 55038863	A	19800318	(198018)				
FR 2435485	A	19800509	(198025)				
US 4320040	A	19820316	(198213)				
CA 1134977	A	19821102	(198249)				
GB 2030990	B	19821222	(198251)				
JP 61033846	B	19860805	(198635)				
JP 62000921	B	19870110	(198705)				

PRIORITY APPLN. INFO: JP 1978-110451 19780907  
JP 1978-113376 19780913

INT. PATENT CLASSIF.: A61F013-18; B01J020-26; C08F002-44; C08F006-00;  
C08F008-00; C08F120-18; C08F261-04; C08F289-00;  
C08J007-08; C08L029-04; C08L033-02

BASIC ABSTRACT:

DE 2935712 A UPAB: 19930902

Hydrophilic gels are prepd. by (1) polymerising acrylic and/or methacrylic acid in the presence of PVA, neutralising and heat treating or (2) polymerising neutralised acrylic- and/or methacrylic acid in the presence of PVA and heat treating.

The gels can be prepd. easily and inexpensively and have improved water absorption and good strength. The gels are transparent or only slightly coloured and are practically non-toxic. They may be used in nappies, tampons, bandages, medical clothes, dewatering agents for water contg. oils, water holding agents for plants and carriers for chromatography.

FILE SEGMENT: CPI GMPI

FIELD AVAILABILITY: AB

MANUAL CODES: CPI: A04-F04A; A10-C03; A10-E; A10-E09B; A10-E21;  
A11-C02; A12-S; D09-C06; D10-A; J01-D01; J01-D01A